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(56) Documents cited by ISA

GB 2198042 A	GB 1412591 A	EP 0010483 A
WO 88/06034 A	BE 0793306 A	DE 2156555 A
FR 2620024 A	FR 2181220 A	FR 1440795 A
FR 0005032 M	FR 0003932 M	US 4415553 A

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(54) **Cryo-photo-protector agent based on nucleic acids and/or their derivatives**

(57) The invention relates to a cyto-photo-protector agent for protecting the skin, specially the Langerhans cells. Said agent is characterized in that it is comprised of at least one compound selected amongst the group of nucleic compounds and derivatives including: A - ribonucleic acids, as well as their derivatives, preferably their salts, with mineral or organic bases, preferably complex salts of basic proteides, basic aminoacids or basic peptides; and B - ribonucleotides as well as their derivatives of the salt type, with mineral or organic bases including complex salts with basic proteides, basic aminoacids or basic peptides; and C - ribonucleosides. It is thus possible to prepare cosmetic and/or dermopharmaceutical compositions for topical utilization and which have a photoprotecting activity on teguments, but more particularly on living cells of the derm and the epiderm, thus providing for a cytoprotection of the skin, particularly epiderm immunocompetent cells; Langerhans cells sensitive to solar radiation and also by contact with certain compounds frequently used as conventional solar filters.

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